…Or how I Learned to Start Worrying and Hate the Car

Jared Tremblay

Flint Hills MPO

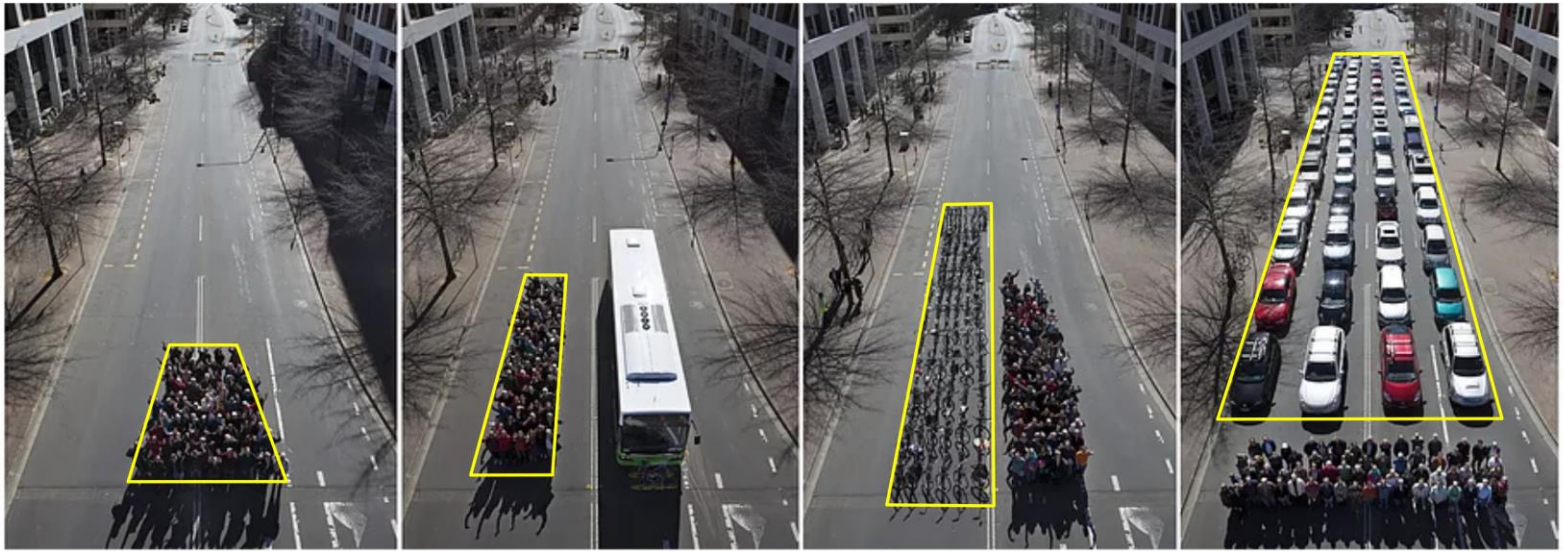
It costs individuals $$$

Car Ownership:

$8,469 annually (AAA)

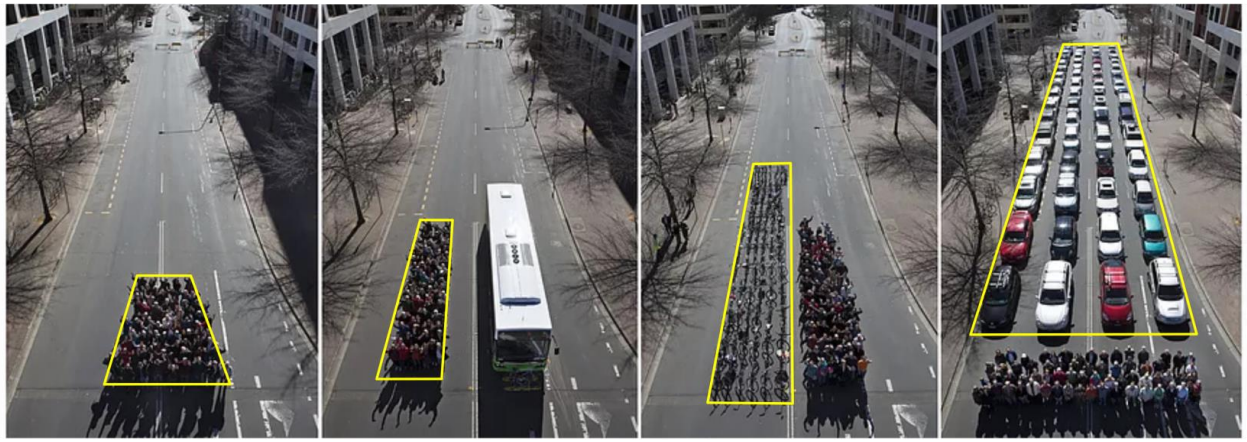
It costs everyone $$$

It's about space



69 people in 4 modes of Transportation

Space = $$$

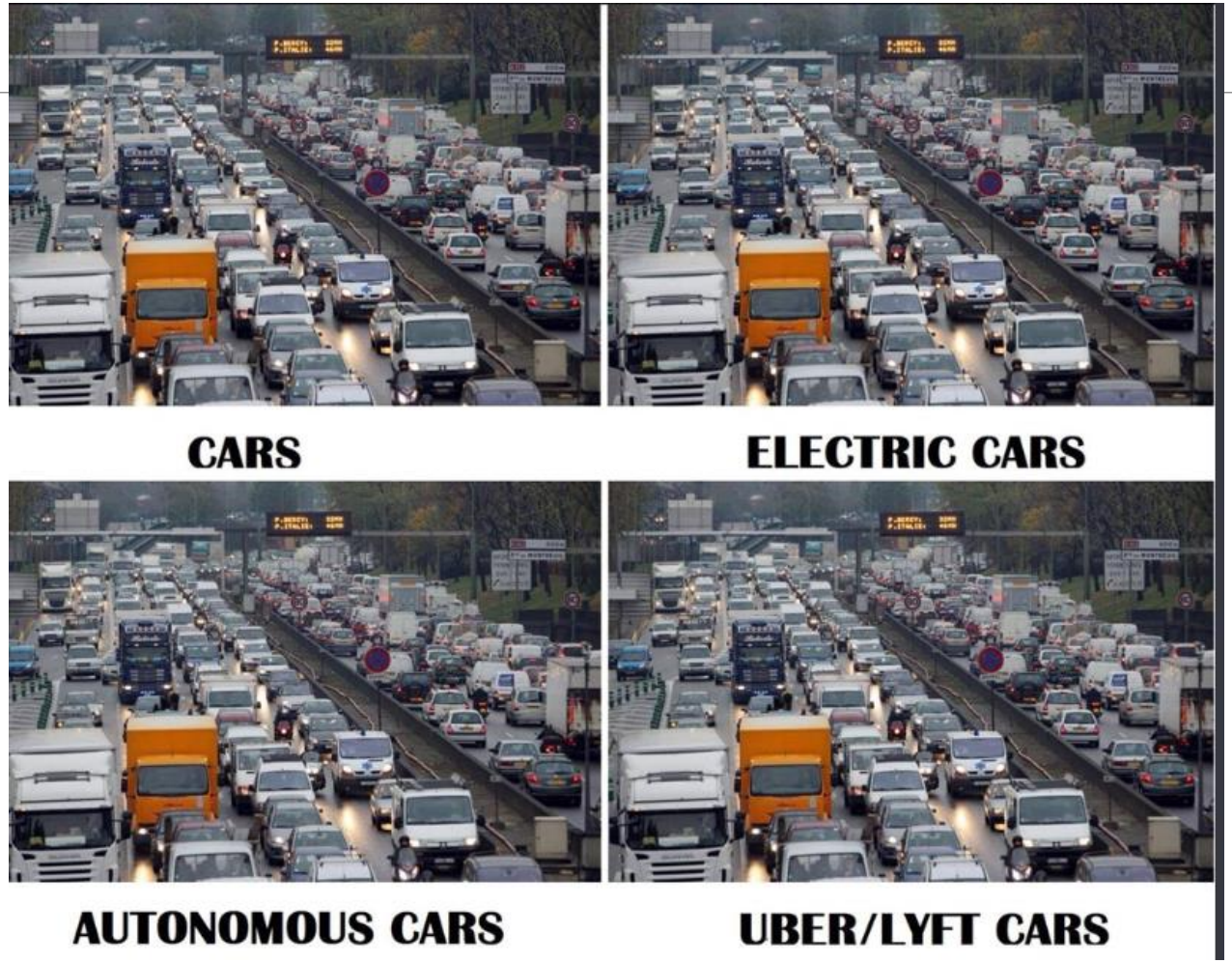


Now add in costs of:

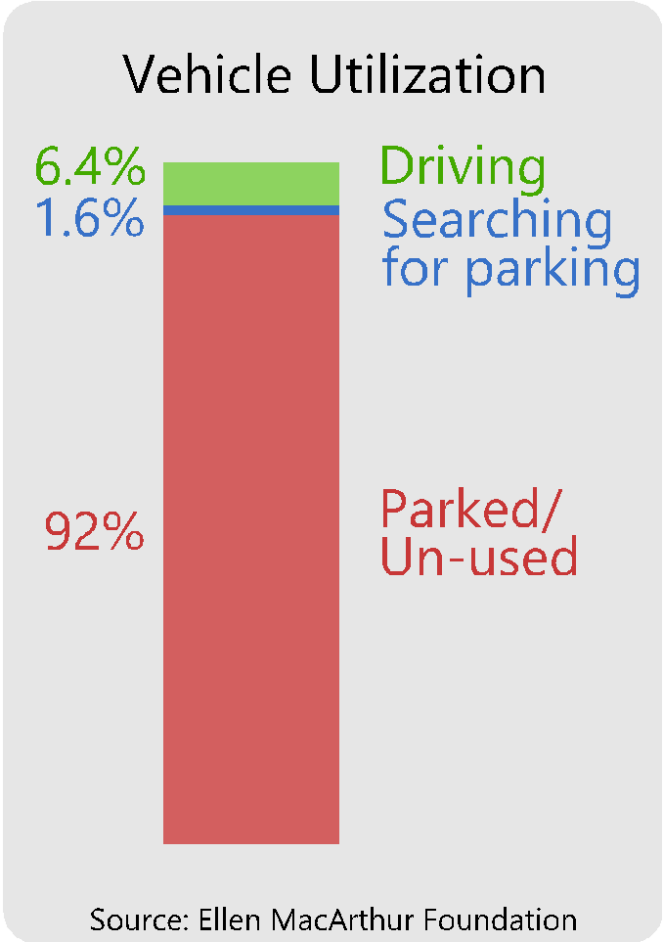
- Property
- Right of Way
- Utilities
- Design
- Maintenance
- Road wear

215 ft²	320 ft²	775 ft²	10,450 ft²	Area
$50 yd³	$50 yd³	$50 yd³	$50 yd³	Concrete Cost
$1,195	**$1,778**	**$4,305**	**$58,055**	Total: Concrete ONLY

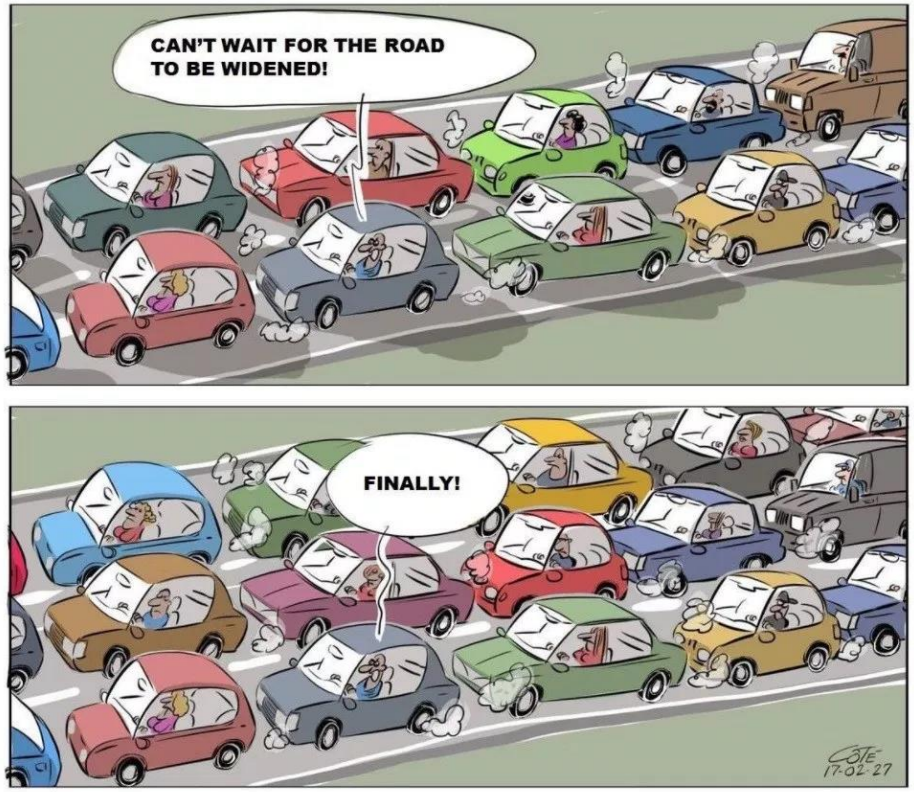
Also…it's a geometry problem



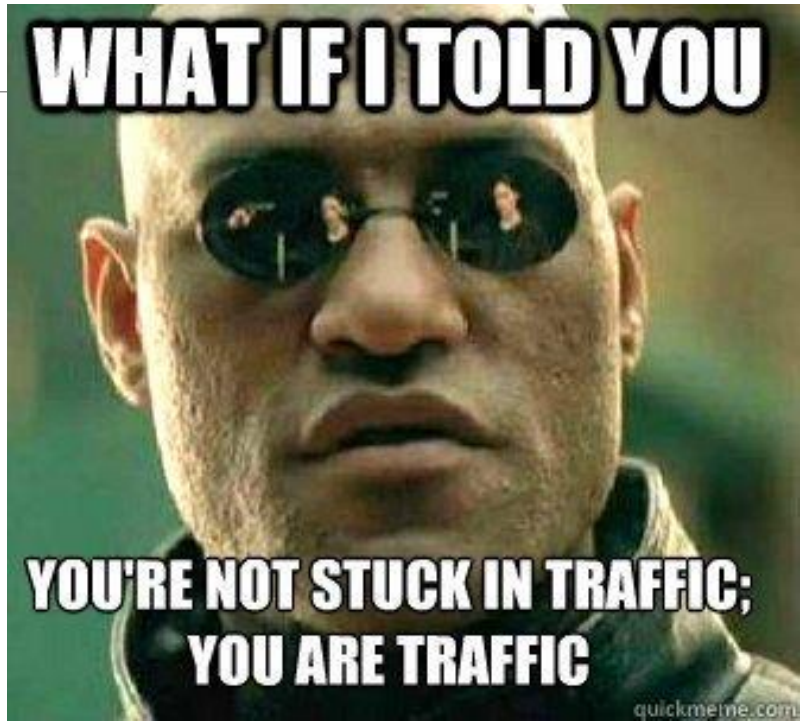
All that space & $$$ for what?



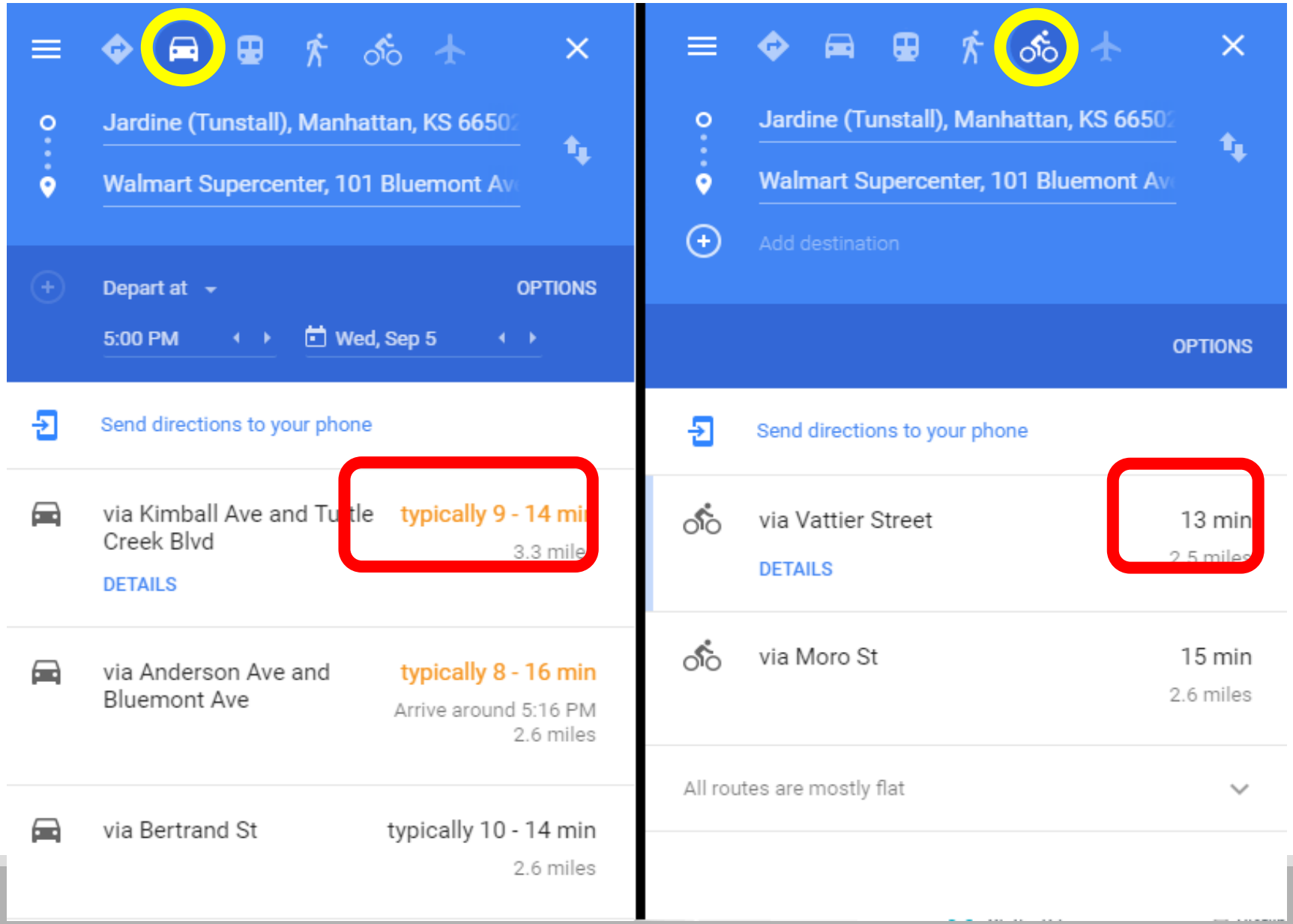
Inefficient



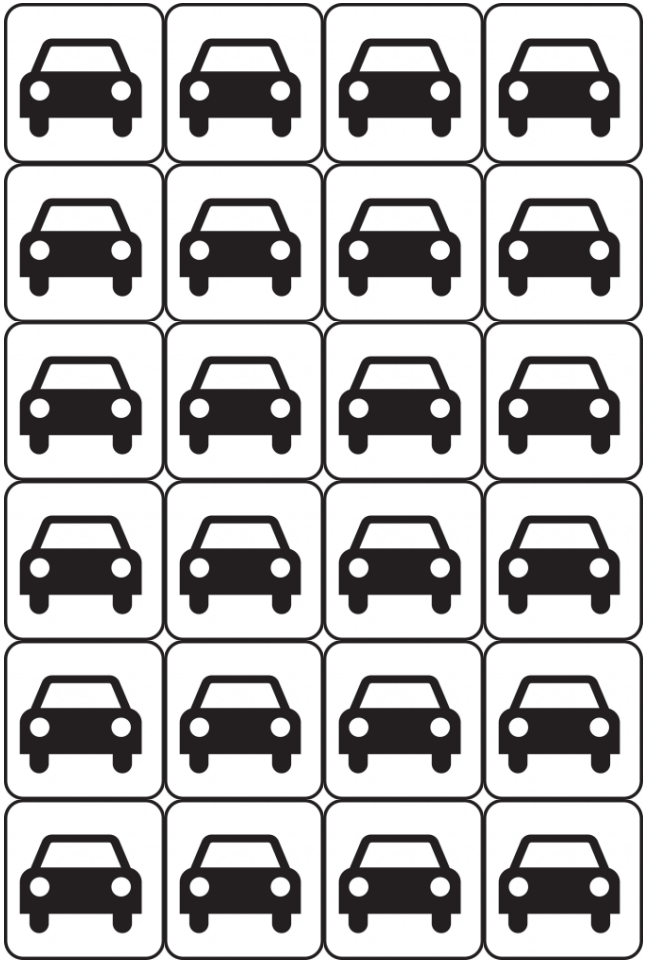
Law of Induced Demand



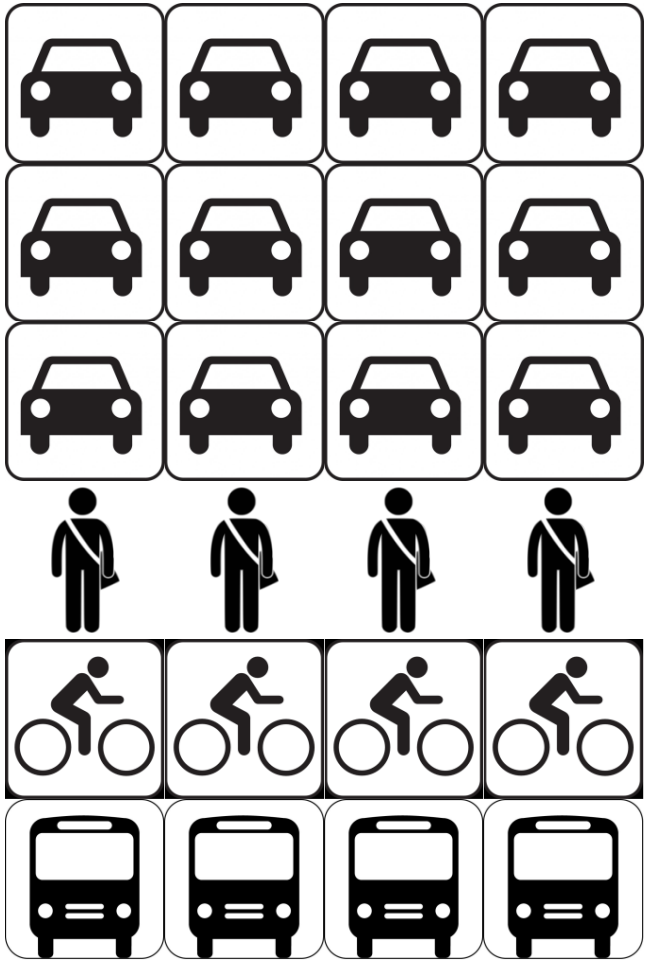
Perception


Jardine (Tunstall), Manhattan, KS 665
Walmart Supercenter, 101 Bluemont Av
Depart at
OPTIONS
5:00 PM
Wed, Sep 5
Send directions to your phone
via Kimball Ave and Tu tle Creek Blvd
typically 9 - 14 mi
3.3 mile
DETAILS
via Anderson Ave and Bluemont Ave
typically 8 - 16 min
Arrive around 5:16 PM
2.6 miles
via Bertrand St
typically 10 - 14 min
2.6 miles
Jardine (Tunstall), Manhattan, KS 665
Walmart Supercenter, 101 Bluemont Av
Add destination
OPTIONS
Send directions to your phone
via Vattier Street
13 min
DETAILS
via Moro St
15 min
2.6 miles
All routes are mostly flat

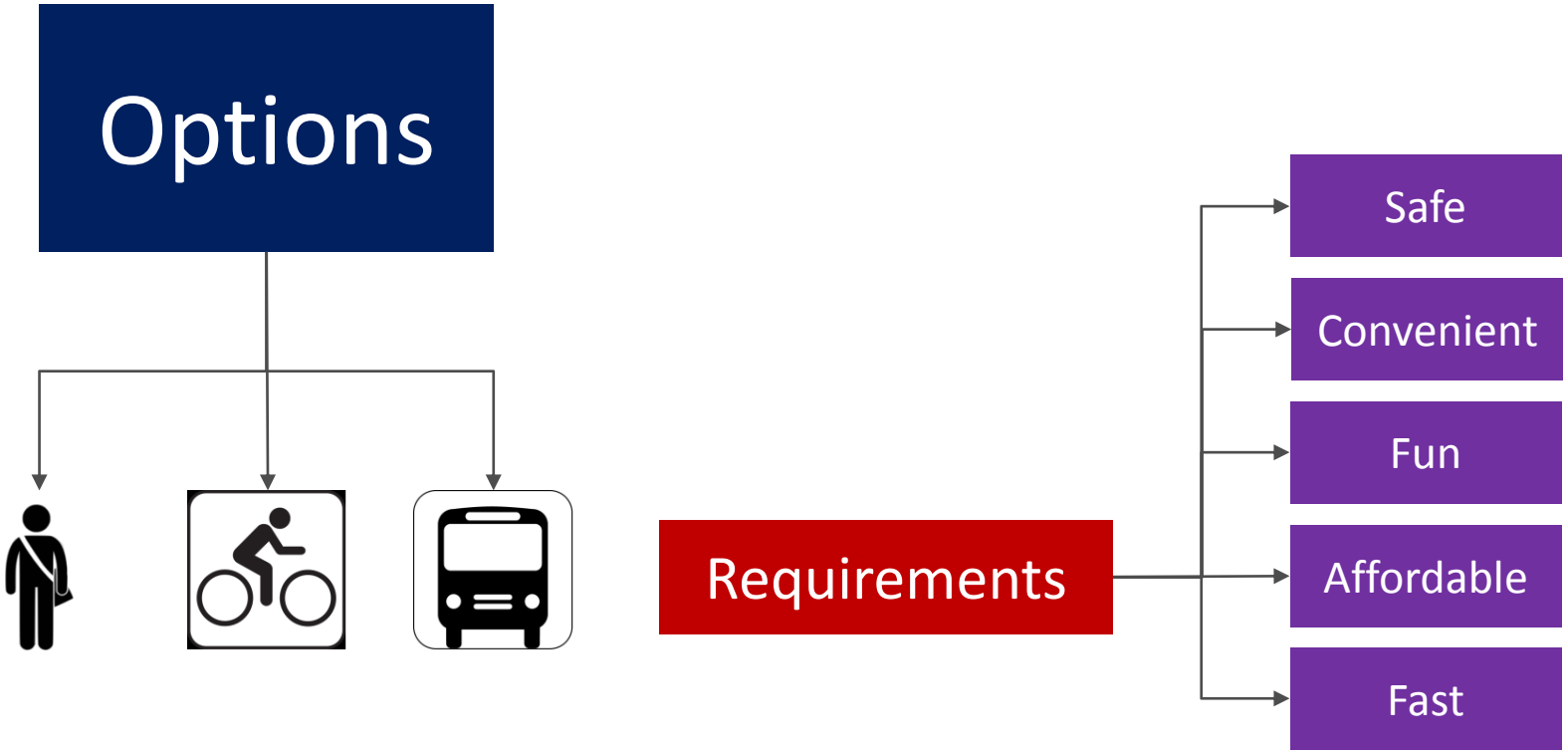
Current



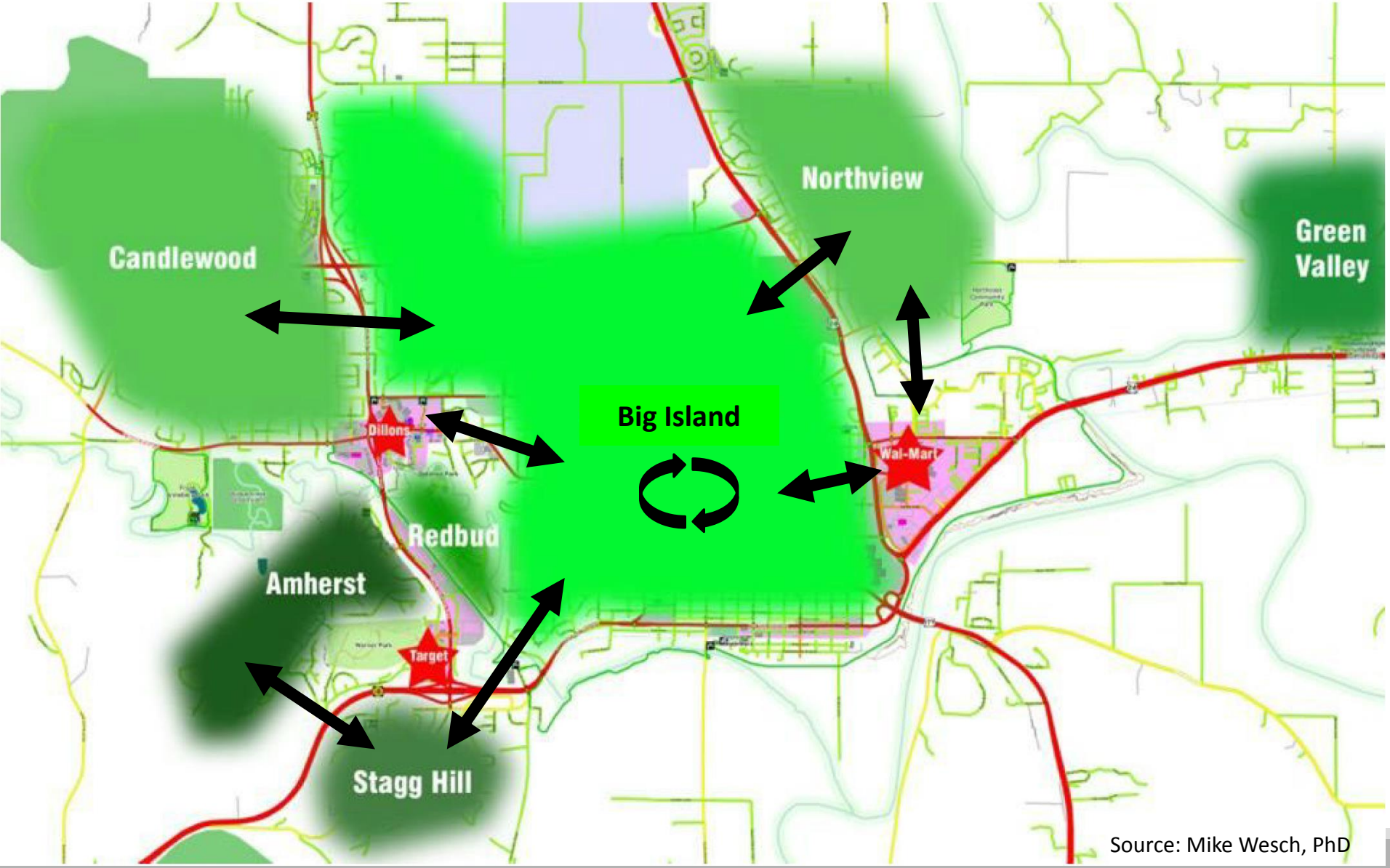
Goal



How?


Options
Requirements
Safe
Convenient
Fun
Affordable
Fast

Archipelago = Problems



Source: Mike Wesch, PhD

MHK Solutions… thus far

1 Bike Boulevards

- **On Street**
- Low Traffic
- Low Speeds
- Direct

MHK Solutions… thus far

2 Bike Lanes

- **On Street**
- Separate space for Bikes Only
- Painted lines

MHK Solutions… thus far

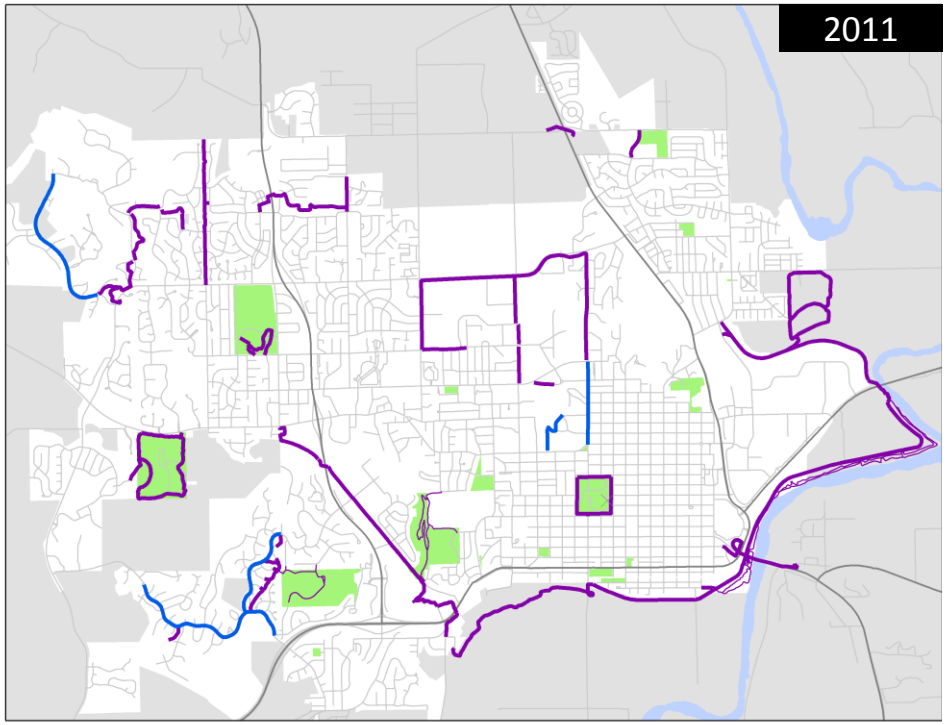
3 Trails

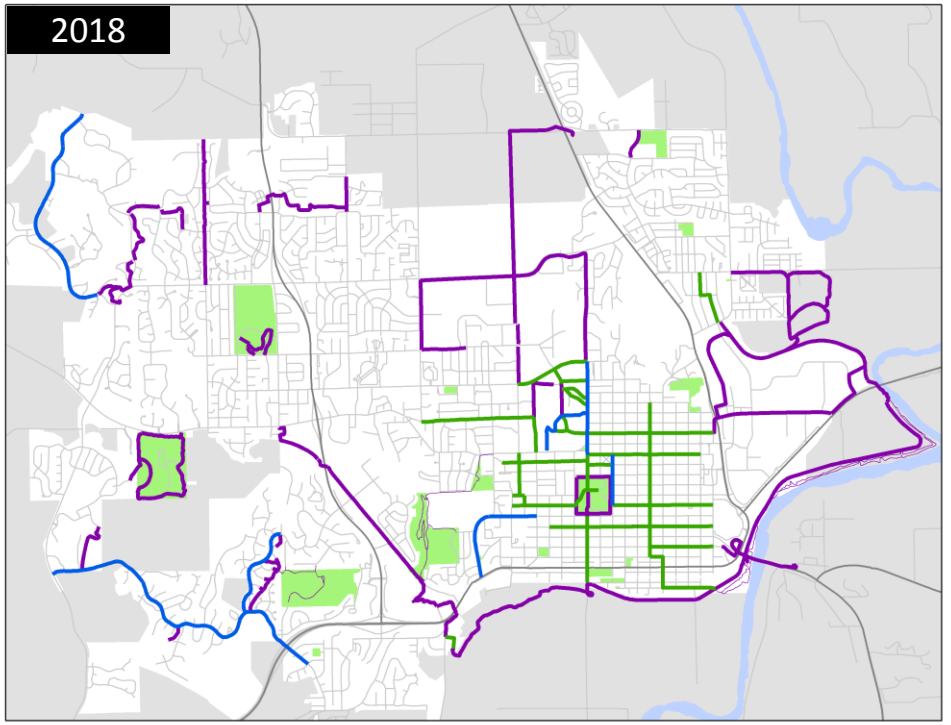
- **Off Street**
- Separated from vehicles

Solutions = Progress

Miles of Infrastructure

	2011	2018
Bike Blvds	**0**	**23.2**
Bike Lanes	**7.5**	**12.7**
Trails	**31.3**	**36.8**
Total	**39.2**	**72.7**





Is our progress good enough?

No! We NEED AAA

All Ages & Abilities

aka

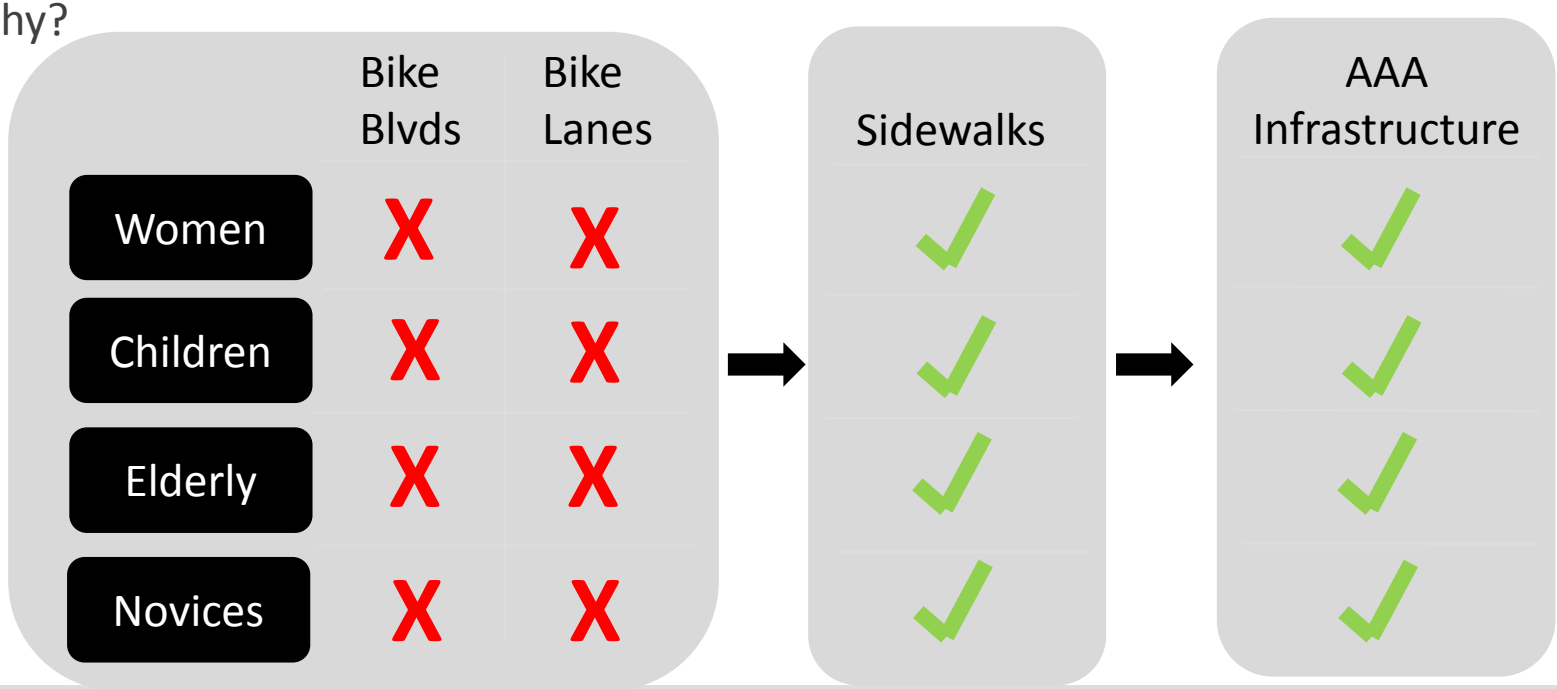
8 to 80

Get these groups to bike

=

we all win
(cyclist & drivers)

Why?



What is AAA

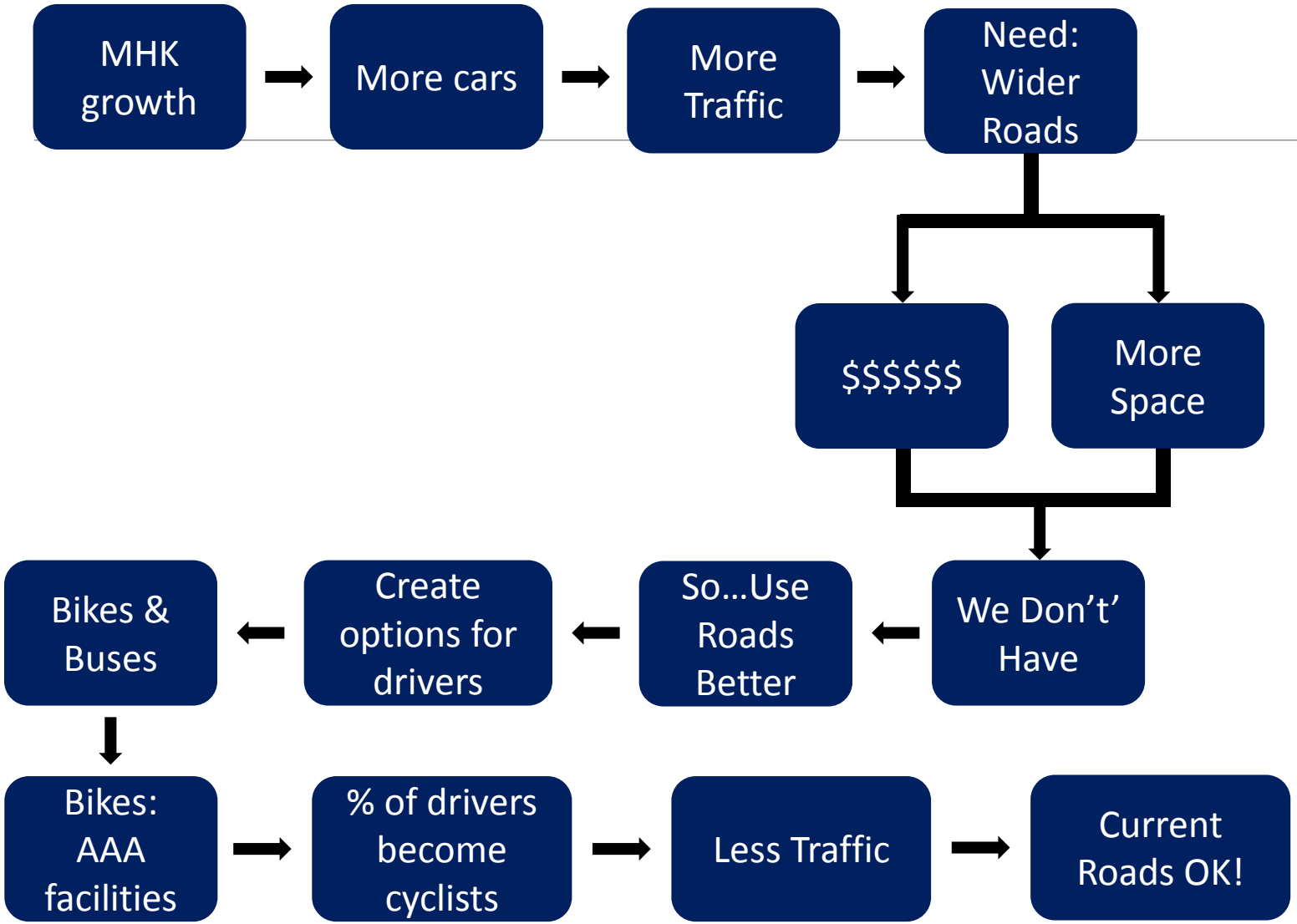
Protected bike lanes

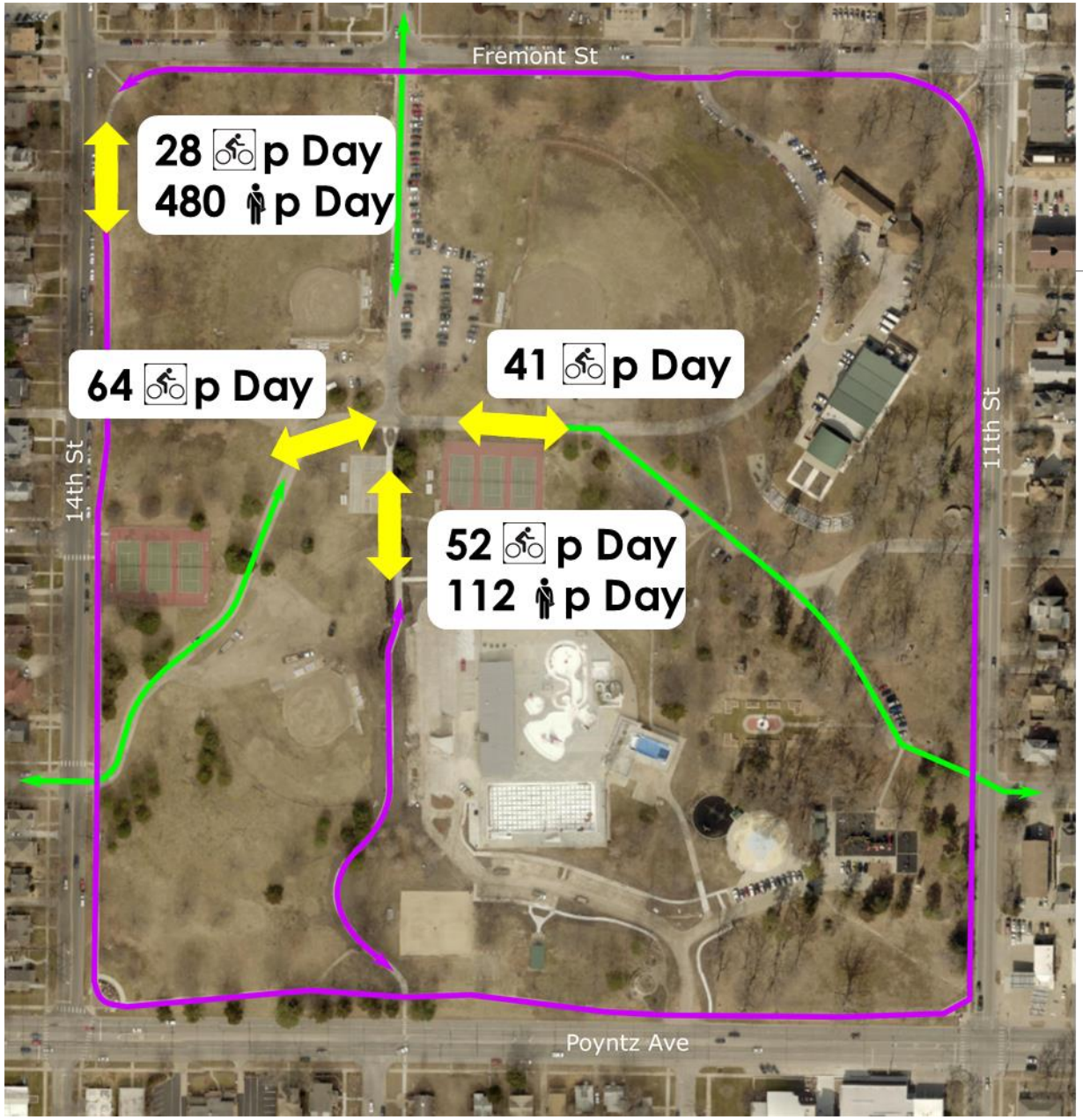
Separate facilities (from vehicles)

Safe Crossings

- Does it work?
- Yes, everywhere it's tried it works
- It's done all over world & now USA… NYC, Denver, even Lincoln NE

Why AAA again?





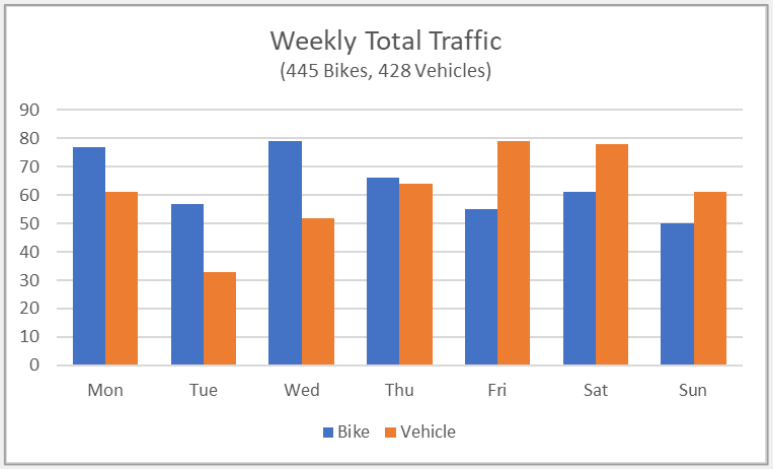
80 Bikes

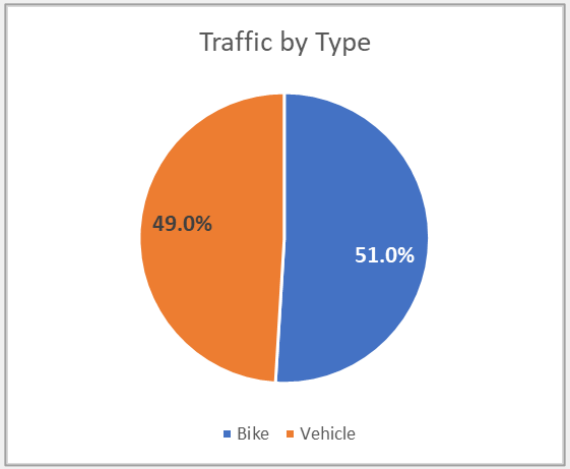
+

592 Peds

672 Total

Daily


Weekly Total Traffic
(445 Bikes, 428 Vehicles)
90
80
70
60
50
40
30
20
10
0
Mon
Tue
Wed
Thu
Fri
Sat
Sun
Bike
Vehicle


Traffic by Type
49.0%
51.0%
Bike
Vehicle

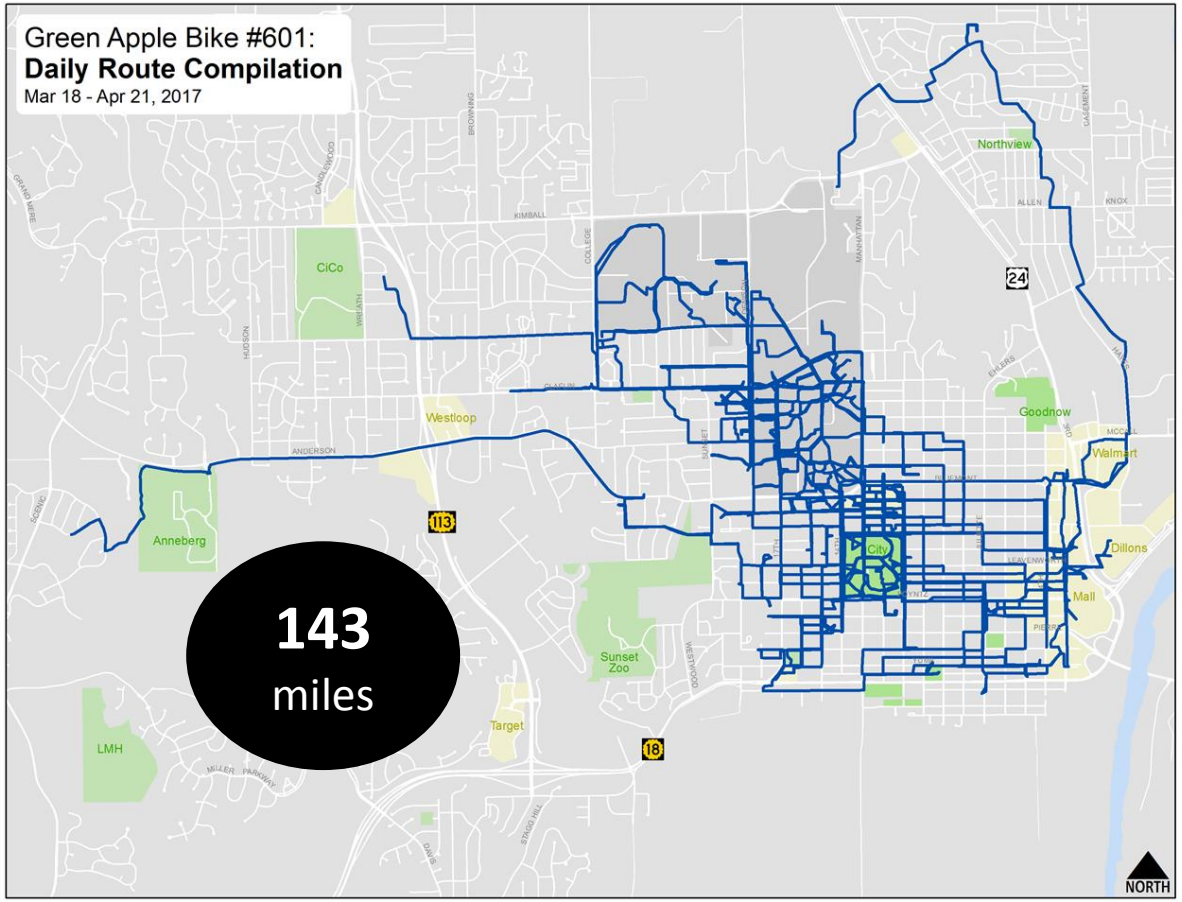
Green Apple Bikes

Free Bike Share

- I see them all over town…

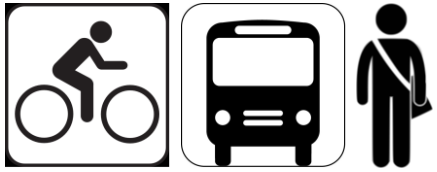
They're everywhere….

- Not really…
- Only **1** in **20** (5%) of bikes counted annual is a GAB



What if

1. 350 GABS **X** 143 miles = **50,050 miles** **instead**  = More Traffic… = More $$$

2. 10% of  **instead**  = Less Traffic… = Less $$$

3. You made **1** trip by bike, foot, or bus each week?